CONTENTS OF AQUACULTURE, VOLUME 86

VOL. 86 NO. 1 1 APRIL	1990
Editorial	
Taxonomic names for northern Pacific trout species	
G.A.E. Gall (Davis, CA, U.S.A.) and S.J. de Groot (IJmuiden, The Netherlands)	1
Diseases, Parasites and Predators	
Signal crayfish as vectors of crayfish plague in Britain	
D.J. Alderman (Weymouth, Great Britain), D. Holdich and I. Reeve (Nottingham, Great Britain)	3
Husbandry and Management	
A natural source of megalopae for the culture of Dungeness crab, Cancer magister Dana	
	7
G.S. Jamieson and A.C. Phillips (Nanaimo, B.C., Canada)	
changes in coho salmon (Oncorhynchus kisutch): a test for saltwater adaptability	se
W.S. Zaugg and B.R. Beckman (Seattle, WA, U.S.A.)	10
W.S. Zaugg and B.R. Deckman (Seattle, WA, U.S.A.)	19
Nutrition	
Nutritional condition of rock scallop, Crassadoma gigantea (Gray), larvae fed mixed algo- diets	al
J.N.C. Whyte, N. Bourne and C.A. Hodgson (Nanaimo, B.C., Canada)	25
Effect of dietary protein and energy level on growth, protein utilization and carcass composition of rabbitfish, Siganus guttatus	
M.M. Parazo (Iloilo City, The Philippines)	41
Availability of dietary magnesium to rainbow trout as determined by apparent retention K.D. Shearer and T. Asgard (Seattle, WA, U.S.A.)	51
Hormonal content of commercial fish diets and of young coho salmon (Oncorhynchus kisutch) fed these diets	
G. Feist and C.B. Schreck (Corvallis, OR, U.S.A.)	63
Physiology and Endocrinology	
Combined influence of temperature and salinity on oxygen consumption of the larvae of	the
pink shrimp, Palaemon serratus (Pennant) (Crustacea, Decapoda, Palaemonidae)	
H. Yagi, H.J. Ceccaldi and R. Gaudy (Marseille, France)	77
Control of spawning activity in male and female rainbow trout (Oncorhynchus mykiss) by repeated foreshortened seasonal light cycles	
M. Pohl-Branscheid and W. Holtz (Göttingen, Federal Republic of Germany)	93
Pattern of oocyte diameter frequency distribution in females of the pacu, Piaractus	
mesopotamicus (Holmberg 1887) (=Colossoma mitrei Berg 1895), induced to spawn	
E. Romagosa, P. de Paiva and H.M. Godinho (São Paulo, Brazil)	
Egg fertility, early development and survival from crosses of diploid female × triploid magrass carp (Ctenopharyngodon idella)	
J.P. van Eenennaam (Davis, CA, U.S.A.), R.K. Stocker (Imperial, CA, U.S.A.), R.G.	
Thiery (Coachella, CA, U.S.A.), N.T. Hagstrom (Hartford, CT, U.S.A.) and S.I.	
Doroshov (Davis, CA, U.S.A.)	111

VOL. 86 NOS. 2/3

15 APRIL 1990

Diseases, Parasites and Predators	
Epizootics of Malaysian cultured freshwater pond fishes by Piscinoodinium pillulare (Schaperclaus 1954) Lom 1981	
F.M. Shaharom-Harrison, I.G. Anderson (Serdang, Malaysia), A.Z. Siti (Melaka,	
Malaysia), N.A.M. Shazili, K.J. Ang and T.I. Azmi (Serdang, Malaysia)	7
Mebendazole treatment of pseudodactylogyrosis in an intensive eel-culture system	
K. Buchmann and J. Bjerregaard (Frederiksberg, Denmark)	9
Predation on larvae of the noble crayfish, Astacus astacus L.	
R. Gydemo, L. Westin and A. Nissling (Stockholm, Sweden)	5
Economics and Marketing	
The economics of producing algae and bivalve seed in hatcheries	
J.A. Myers (San Diego, CA, U.S.A.) and R.N. Boisvert (Ithaca, NY, U.S.A.) 16	3
Genetics and Breeding	
Heritability and genetic correlations for flesh coloration in pen-reared coho salmon	
R.N. Iwamoto (Kailua-Kona, HI, U.S.A.), J.M. Myers and W.K. Hershberger (Seattle,	
WA, U.S.A.)	31
Correlation of body weight and reproductive characteristics in rainbow trout	
N. Huang and G.A.E. Gall (Davis, CA, U.S.A.)	1
Husbandry and Management	
A successful rearing experiment with amago salmon (Oncorhynchus masou rhodurus) in	
floating cages in the Adriatic Sea	
E. Teskeredžić and Z. Teskeredžić (Zagreb, Yugoslavia))1
Influence of the date and body size at smoltification and subsequent growth rate and	
photoperiod on desmoltification in underyearling masu salmon (Oncorhynchus masou)	
T. Kurokawa (Tokyo, Japan)20	13
Nutrition	
The dominance of algal-based food webs in fish ponds receiving chemical fertilizers plus organic manures	
G.L. Schroeder, G. Wohlfarth, A. Alkon, A. Halevy (Hof HaCarmel, Israel) and H. Krueger (Cambridge, MA, U.S.A.)	19
Size structure and potential food value of the plankton community to Ostrea edulis L. in a traditional Norwegian "esterspoll" D. Klaveness (Oslo, Norway)	21
Use of a new spray-dried algal product in penaeid larviculture	,,,
J.M. Biedenbach, L.L. Smith and A.L. Lawrence (Port Aransas, TX, U.S.A.)	49
Physiology and Endocrinology	
Increased sea-water adaptability of non-smolting rainbow trout by salt feeding	
N.A. Salman and F.B. Eddy (Dundee, Great Britain)	59
Growth of different families of Atlantic salmon (Salmo salar) under three experimental photoperiods	
S.O. Stefansson (Matredal, Norway), G. Naevdal (Bergen, Norway) and T. Hansen (Matredal, Norway)	71
Sex determination of live galjoen (Coracinus capensis Cuvier) using a biochemical technique	
C.D. van der Lingen and P.A. Cook (Rondebosch, South Africa)	83

Suppression of maturation in male Atlantic salmon (Salmo s feeding and growth during spring months	salar L.) parr by reduction in
D.K. Rowe and J.E. Thorpe (Pitlochry, Great Britain)	
Control of maturation in cultured Atlantic salmon, Salmo sa by restricting food intake	
J.E. Thorpe, C. Talbot, M.S. Miles and D.S. Keay (Pitlo	
Overwintering and sexual maturation of Penaeus penicillatu	s Alcock in an outdoor earth
pond	
Zhang D. (Shanghai, China)	
Advancement of sexual maturation and spawning of sea bass using pelleted luteinizing hormone-releasing hormone an methyltestosterone	
L.Ma.B. Garcia (Iloilo, The Philippines)	333
VOL. 86 NO. 4	1 MAY 1990
Diseases, Parasites and Predators	
Utilization of antibacterial drugs in salmonid farming in No	rway during 1980-1988
K. Grave, M. Engelstad, N.E. Søli and T. Håstein (Oslo,	
Residues of oxytetracycline in wild fish and sediments from	
H. Björklund, J. Bondestam and G. Bylund (Åbo, Finlan	ad)359
Genetics and Breeding	
Intergeneric hybridization in Sparidae. 1. Sparus aurata \mathbb{Q} Sparus aurata $\mathbb{Q} \times Diplodus vulgaris \mathsgrayeta$	
J. Jug Dujaković and B. Glamuzina (Split, Yugoslavia)	
Nutrition	
Feeding modes in Arctic charr, Salvelinus alpinus L.: the in the maintenance of growth	aportance of bottom feeding for
E.H. Jørgensen and M. Jobling (Tromsø, Norway)	
Comparative energetics of striped bass (Morone saxatilis) a chrysops) juveniles	and hybrid (M. saxatilis \times M.
H. Tuncer, R.M. Harrell (Cambridge, MD, U.S.A.) and	E.D. Houde (Solomons, MD,
U.S.A.)	
Defatted and full-fat soybean meal as partial replacements f (Oreochromis niloticus × O. aureus) diets at low protein	or fishmeal in tilapia
SY. Shiau, SF. Lin, SL. Yu, AL. Lin and CC. Kw	ok (Keelung, Taiwan) 401
Vitamin C requirement of the Mexican native cichlid Cichle M.C. Chávez de Martínez (Yucatán, Mexico)	
Physiology and Endocrinology	
The effects of hypoxia, alkalinity and neurochemicals on ha	tching of Atlantic salmon
(Salmo salar) eggs	N
D.O. Oppen-Berntsen, A. Bogsnes and B.Th. Walther (I Initial swim bladder inflation in intensively reared Australia	
novemaculeata (Steindachner) (Perciformes: Percichth	
S.C. Battaglene and R.B. Talbot (Salamander Bay, N.S.	W Australia) 421
5.0. Danagiene and R.D. Taibot (Salamander Bay, N.S.	, rusufaist / 451
Author Index	443